APPLICATION-INDEPENDENT SYSTEM AND PROCESS FOR DYNAMICALLY GENERATING LOW-COMPLEXITY GRAPHICS EMBEDDED AS WEB CONTENT USING A TAG-DELIMITED SCRIPT

Abstract

An application-independent system and process for dynamically generating low-complexity graphics embedded as Web content using a tag-delimited script is disclosed. A graphics object class defining a logical canvas and including a vector of row objects is specified. Each graphics object class contains a set of cell objects defining display attributes for a uniform rectangular region. A shape is drawn onto the logical canvas by sequentially parsing through each row object in the vector and through each cell object contained therein to consistently structure the logical canvas. The logical canvas is converted into a table encoded in a tag-delimited script by converting in order each row object into a row within the table, and each cell object into a cell within each row.